

Abstract of the Invention

09/382,524

A conductive system and a method of forming an insulator for use in the conductive system is disclosed. The conductive system comprises a foamed polymer layer on a substrate. The foamed polymer layer has a surface that is hydrophobic, and a plurality of conductive structures are embedded in the foamed polymer layer. An insulator is formed by forming a polymer layer having a thickness on a substrate. The polymer layer is foamed to form a foamed polymer layer having a surface and a foamed polymer layer thickness, which is greater than the polymer layer thickness. The surface of the foamed polymer layer is treated to make the surface hydrophobic.

10

665280-12528660

Express Mail mailing label number: EL254618106US
August 25, 1999
Date of Deposit: _____
I hereby certify that this paper or fee is being deposited with the
United States Postal Service *Express Mail Post Office to Addressee*
service under 37 CFR 1.10 on the date indicated above and is
addressed to the Assistant Commissioner for Patents,
Washington, D.C. 20231
Printed Name Chris Hammond
Signature Chris Hammond